SUBMITTAL DATA SHEET

Series Name: J Series

Model Number: BZ33-WMAHU30-454-G3-J / BZ33-INV30OUT2-454-G3-J

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

INDOOR SPECIFICATION		
ESP(in.W.G)		0-0.8
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		988.8 / 894.7 / 806.4 / 712.2 / N\A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		51.0/50/46/35/N\A
Dimension(W×D×H)	**inch**	22 x 19 x 40-1/16
	mm	559×483×1017
Package(W×D×H)	**inch**	24-5/8 x 22-13/16 x 47
	mm	625×580×1193
Net/Gross Weight	**lbs**	110.23/131.39
	kg	50/59.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		MTH356UKRC8FQL
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1300
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3001.9
Outdoor Noise Level (dBA)		62.5
Dimension(W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946×410×810
Package(W×D×H)	**inch**	42-15/16 x 19-11/16 x 34-13/16
	mm	1090×500×885
Net/Gross Weight	**lbs**	164.02/174.60
	kg	74.4/79.2

EFFICIENCY			
Cooling		**Heating**	
SEER2	17.5	**HSPF2-4**	10.2
EER2	11.7	**COP**	3.45

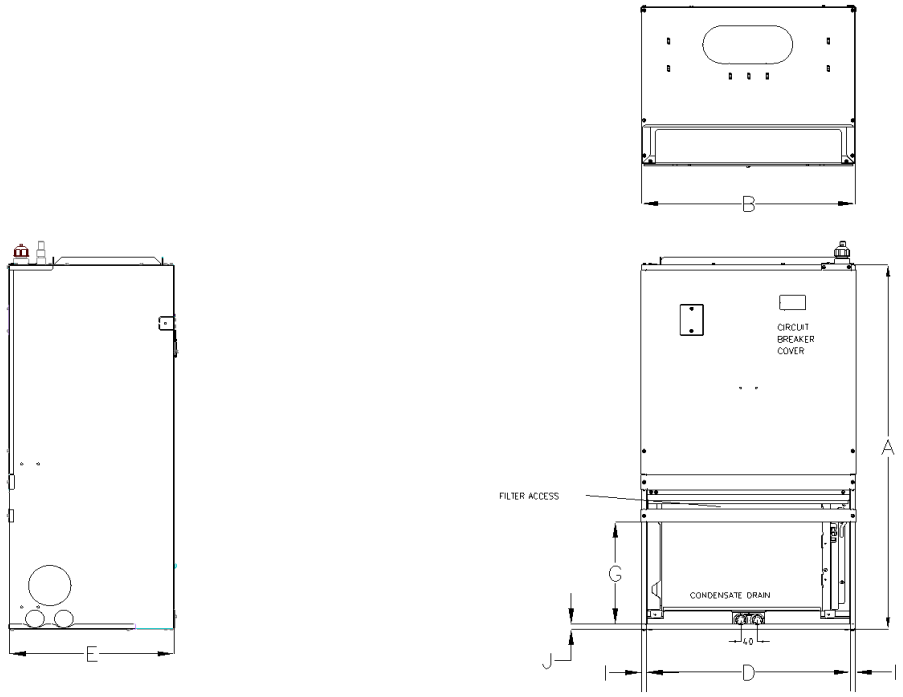
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	30000
Min/Max Capacity	11900~37800
Moisture Removal(L/h)	3.34
Standard Operating Range(℉/℃)	-22~122(-30～50)
Rated Cooling Conditions:	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @47℉ Rated	32000
1. @47℉ Min/Max Capacity	10300~40200
2. @17℉ Rated	23200
3. @5℉ Rated: Capacity / COP	32000/2.00
3. @5℉ Max: Capacity	32000
Standard Operating Range(℉/℃)	-22~75(-30～24)
1. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
2. Rated Heating Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

ELECTRICAL	
Indoor Power Supply	115V/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	6
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	29.5
Outdoor MOP	30
Communication Wiring	AWG 20-2
Compressor RLA	22.4
Outdoor Fan Motor RLA	1.5
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	4.5
Indoor Fan Motor W	375
System Power Input @ Cooling (W)	2564(750 ~ 3630)
System Power Input @ Heating (W)	2718(625 ~ 3280)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

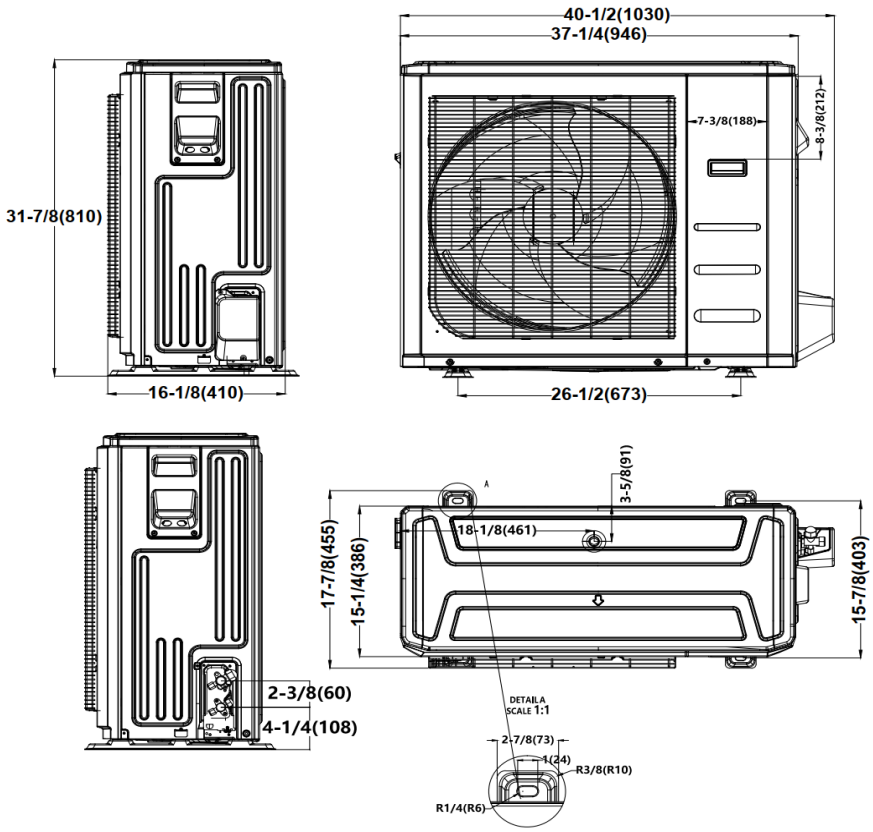
PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	164(50)
Max. Height Difference(ft/m)	82(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	105.82(3.0)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

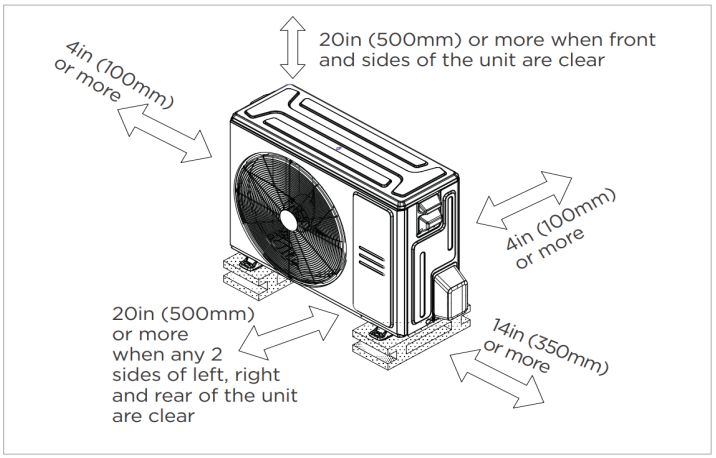


Dimensions \ Model(Btu/h)		18K/24K		30K/36K	
		inch	mm	inch	mm
A	Model Height	36.5	928	49	1017
B	Model Width	20.3	515	21	559
C	Supply Air Opening Width	17.4	442	18.8	478.6
D	Return Air Opening Width	19.4	493.8	21.2	537.8
E	Model Depth	15.7	399	21	483
F	Supply Air Opening Depth	10.4	265.2	9.3	235.4
G	Return Air Opening Depth	10.3	261	13.1	332.5
H	Supply Air Opening Clearance	1.1	29.1	1.6	41
I	Return Air Opening Side Clearance	0.42	10.6	0.42	10.6
J	Return Air Opening Front Clearance	0.47	12	0.63	16

Outdoor Unit Dimension

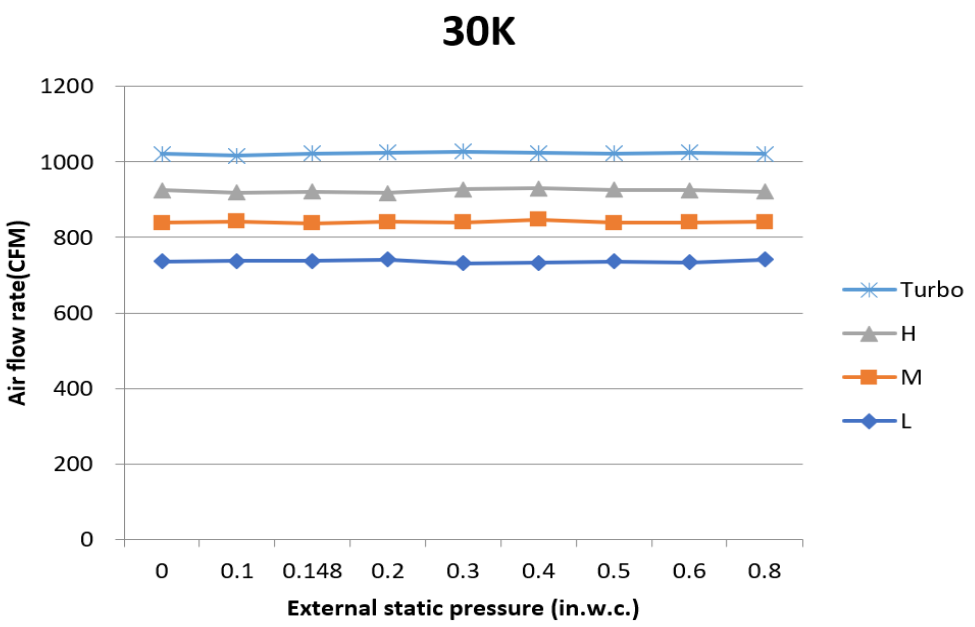


Installation Instruction For Outdoor Unit



☑ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



Features

- Multi-position of return air: front(factory standard) or bottom
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- Optional Auxiliary heat kit up to 10kW
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Wireless remote controller
  - Third-Party 24V Thermostat
- High efficiency up to 19.3 SEER2, 12.1 EER2, 10.8 HSPF2
- Chassis heater and crankcase heater equipped as standard